

<p><b>NATIONAL PHASE UTILITY APPLICATION</b></p> <p><b>Transmittal to the (DO/EO/US) Under 35 USC 371</b></p>	<p>Attorney Docket No.: SAEG129.014APC      First Named Inventor: Ryoji Funahashi      Int'l Application No.: PCT/JP2004/004034      Int'l Filing Date: March 24, 2004      Priority Date Claimed: March 26, 2003      Title: COMPLEX OXIDE HAVING N-TYPE            THERMOELECTRIC CHARACTERISTICS      Express Mail Label No.: EV309072515US</p> <p style="text-align: right;"><b>10/550670</b></p>
<p><b>Direct all correspondence to Customer No.: 20995</b></p>	
<p>Date: September 26, 2005      Page 1 of 2</p>	

**Mail Stop PCT**  
 United States Patent and Trademark Office  
 P.O. Box 1450  
 Alexandria VA 22313-1450

The following enclosures are transmitted herewith to be filed in the patent application of:

Inventors:

1. Ryoji Funahashi

**APPLICATION ELEMENTS:**

- (X) This is a FIRST submission of items concerning a filing under 35 U.S.C. § 371.
- (X) The U.S. has been elected (Article 31).
- (X) A copy of the International Application as filed (35 U.S.C. § 371(c)(2)) has been communicated by the International Bureau.
  - (X) PCT/IB/308 enclosed.
- (X) An English translation of the International Application as filed is attached hereto.
- (X) Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3)) have not been and will not be made.
- (X) An Oath or Declaration signed by the inventors (35 U.S.C. § 371(c)(4)).

**OTHER APPLICATION PARTS:**

- (X) Preliminary Amendment in 4 pages.
- (X) Recordation form cover sheet and Assignment in 3 total pages (cover sheet & assignment).
- (X) International Search Report.
- (X) Cover page of PCT publication WO 2004/086523 A1.
- (X) Return prepaid postcard.

10/550670

<b>NATIONAL PHASE UTILITY APPLICATION</b> <b>Transmittal to the (DO/EO/US)</b> <b>Under 35 USC 371</b>	<p style="text-align: right;">JC20 Rec'd PST/ATO 26 SEP 2005</p> <p>Attorney Dock No. 11-1410  First Named Inventor: Ryoji Funahashi  Int'l Application No.: PCT/JP2004/004034  Int'l Filing Date: March 24, 2004  Priority Date Claimed: March 26, 2003  Title: COMPLEX OXIDE HAVING N-TYPE  THERMOELECTRIC CHARACTERISTICS  Express Mail Label No.: EV309072515US</p>
<b>Direct all correspondence to Customer No.: 20995</b>	
Date: September 26, 2005 Page 2 of 2	

**FILING FEES:**

<b>FEES CALCULATION</b>				
<b>FEES TYPE &amp; DETERMINATION</b>		<b>LARGE FEE</b>	<b>CALCULATION</b>	<b>TOTAL</b>
Basic Filing Fee under 1.492(a)		1631 (\$300)		\$300
Search Fee under 1.492(b) ( <i>enter one in TOTAL column</i> )				
(1) USPTO was ISA and claims are novel		1640 (\$0)		
(2) USPTO was the ISA		1641 (\$100)		\$400
(3) Foreign Search Report Enclosed		1642 (\$400)		
(4) No Search Report Enclosed		1632 (\$500)		
Examination Fee under 1.492(c) ( <i>enter one in TOTAL column</i> )				
(1) USPTO was IPEA & claims satisfy Art. 33 (1)-(4))		1643 (\$0)		\$200
(2) Non US IPEA / Noncompliant Claims		1633 (\$200)		
Excess Claims	6 - 20 = 0	1615 (\$50)	0 x 50 =	\$0
Excess Ind. Claims	4 - 3 = 1	1614 (\$200)	1 x 200 =	\$200
Multiple Dep. Claim		1616 (\$360)		\$0
Application Size Fee	0 - 100 = 0	1681 (\$250)	0 x 250 =	\$0
Late English Translation		1618 (\$130)		\$0
Assignment		8021 (\$40)	1 x 40 =	\$40
			<b>TOTAL FEE DUE</b>	<b>\$1,140</b>
			<b>TOTAL FEE PAID (If Different Than Fee Due)</b>	<b>\$</b>

(X) A check in the amount of \$1,140 to cover the Total Fee Due is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment to Account No. 11-1410.



Daniel E. Altman  
Registration No. 34,115  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404

**10/550670**

**Knobbe Martens Olson & Bear LLP**

*Intellectual Property Law*

2040 Main Street  
Fourteenth Floor  
Irvine, CA 92614  
Tel 949-760-0404  
Fax 949-760-9502  
[www.knob.com](http://www.knob.com)

**JC20 Rec'd PCT/PTO 26 SEP 2005**

*Daniel E. Altman*

MAIL STOP PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

**Attorney Docket No.** : SAEG129.014APC  
**Applicant(s)** : Ryoji Funahashi  
**For** : COMPLEX OXIDE HAVING N-TYPE THERMOELECTRIC CHARACTERISTICS  
**Attorney** : Daniel E. Altman  
**"Express Mail" Label No. :** EV309072515US  
**Date of Deposit** : September 26, 2005

I hereby certify that the accompanying

Transmittal letter; Preliminary Amendment in 4 pages; English translation of specification and drawings; Declaration and Power of Attorney in 2 pages; Assignment Recordation Cover Sheet and Assignment in 3 pages; International Search Report; Cover Page of PCT publication WO 2004/086523 A1; PCT/IB/308; Check for Filing Fee; Return Prepaid Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Nelson Merida

1945355:vr  
092105

San Diego  
619-235-8550

San Francisco  
415-954-4114

Los Angeles  
310-551-3450

Riverside  
951-781-9231

San Luis Obispo  
805-547-5580

10/550670

JC20 Rec'd PCT/PTO 26 SEP 2005

VERIFICATION OF TRANSLATION

I, the below named translator, hereby declare that:

My name and post office address are as stated below:

That I am knowledgeable in the English language and in the language in which the below identified international application was filed, and that I believe the English translation of the international application No. PCT/JP2004/004034 is a true and complete translation of the above identified international application as filed.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

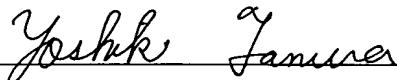
Date

August 29, 2005

Full name of the translator

Yoshiko TAMURA

Signature of the translator



Post Office Address

Kitahama TNK Building 7-1, Dosho-machi

1-chome, Chuo-ku, Osaka-shi, Osaka 541-0045,

Japan